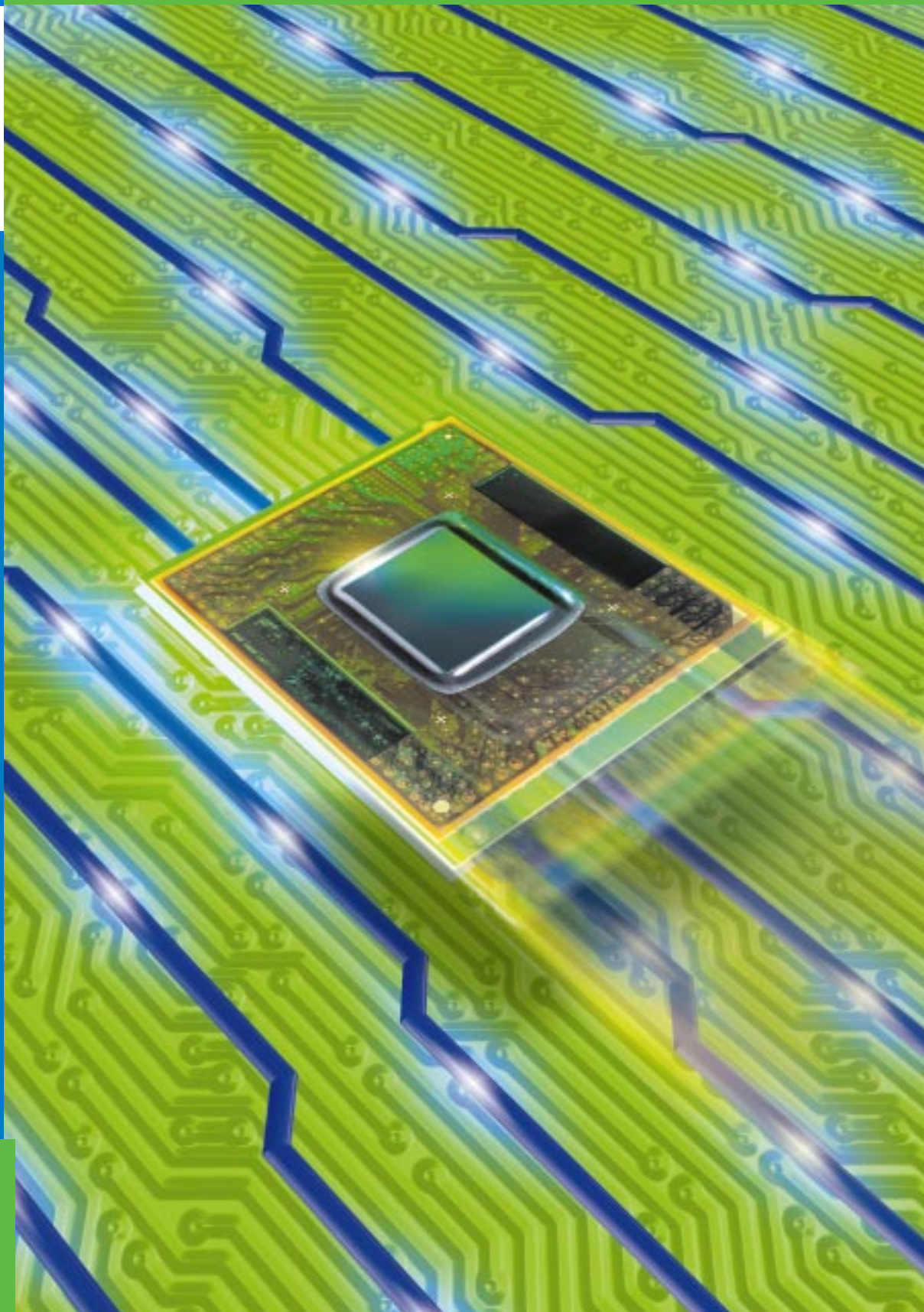


Intel® Mobile Pentium® III Processors Featuring Intel® SpeedStep™ Technology



www.intel.com/mobile

intel®



Key Benefits

- 650 and 600 MHz featuring Intel® SpeedStep™ technology.
- 70 Internet Streaming Single Instruction Multiple Data (SIMD) instructions heighten performance for streaming multimedia and graphics applications on and off the Internet.
- 100-MHz processor system bus (PSB) performance enables faster access to memory and data.
- New Advanced Transfer Cache has 256K full-speed, on-die L2 cache for enhanced performance.
- New Micro PGA and BGA packaging make possible the thinnest, lightest mobile PCs ever, at affordable prices.
- Quick Start features extend battery life.
- Ready for Windows* 98, Windows NT* and Windows 2000.

Intel's high-performance mobile Pentium® III processor featuring Intel® SpeedStep™ technology lets you command the power of the Internet. Anytime, anywhere.

What if you could do everything on a mobile PC that you do on a desktop computer with outstanding performance and speed? Now you can, and at affordable prices.

The new Intel mobile Pentium III processor 650 and 600 MHz featuring Intel SpeedStep technology lets you customize high-performance computing on your mobile PC. At 650 MHz, your new mobile PC runs the most complex business and Internet applications with speed virtually identical to a desktop system. When powered by a battery, the processing frequency drops to 500 MHz, conserving battery life while maintaining a high level of performance. Manual override lets you boost the frequency back to 650 MHz when on battery, allowing you to customize performance.

It's your choice. Experience the highest possible levels of mobile PC productivity at 650 MHz in maximum performance mode. Or, choose battery-optimized mode whenever you expect to be away from your home or business.

The Intel mobile Pentium III processor at 650 and 600 MHz uses the new 0.18-micron process technology, which enables a 30% increase in frequency (from 500 to 650 MHz) for faster computing speed and makes possible the use of smaller chips to create the thinnest, lightest mobile PCs. Intel's SpeedStep technology and Quick Start features further extend PC portability with lower power consumption and improved battery life.

Create Excitement Wherever You Are

High-performance e-Business on a mobile PC

Conducting e-Business in the business world requires a high-performance system. Now you can get near desktop performance and greater productivity on a mobile Pentium® III processor-based 650-MHz system, a 29%–189% increase in performance compared to a mobile Pentium® II processor-based 400-MHz system.[†] You get fast access to the Internet and to your company intranet. You can manage e-mail and information more efficiently and process data and graphics with greater performance.

Enjoy executive-level computer communications, unbound from the desktop. While you are in your customer's office, show them how to order from your online catalog. Do real-time inventory analysis at your vendor's warehouse. Show a client a recently produced commercial or download an architectural rendering, complete with 3-D rotation. Write a report or a speech on a transatlantic flight. Research and retrieve data from the Internet at speed and performance levels that you can customize to suit the application and your strategic needs. Identify your customers' interests and purchase patterns, and forecast your stock levels accordingly.

Advantages of Mobile PCs with Mobile Pentium® III Processor Featuring Intel® SpeedStep™ Technology

The new mobile Pentium® III processor at 650 and 600 MHz featuring Intel® SpeedStep™ technology delivers customized computing performance while optimizing battery life.

A mobile Pentium III processor running at 650 MHz offers a 15%–25% performance improvement over a mobile Pentium III processor running at 500 MHz on most industry benchmarks.[†]

Now manufacturers can equip many of their lightest and newest mobile PCs with features traditionally found only in high-end desktop systems, including:

- Maximum performance mode for near desktop performance while connected to external power or battery-optimized mode for 80% of maximum performance.
- DVD and 24X CD-ROM drives for a superb multimedia experience.
- High-capacity hard drives reaching up to 24 GB.
- 15.1" screens implementing high-quality TFT (active matrix) screen technology.
- Dial-up 56Kb/s v.90 modems and wireless access options for fast, reliable Internet connections.
- Universal Serial Bus ports for high-performance connectivity to peripherals.



Consolidate and transform complex data, such as order, inventory, accounts payable and customer purchase records, into meaningful information. All on the fly and without worrying about battery life.

Business unbound from the desktop with a powerful, productive and affordable mobile PC

Mobile PCs are no longer just for executives or salespeople. They are vital tools for doing business and getting ahead at all levels. With new affordable mobile PCs, large and small companies measure gains in productivity and competitive edge by distributing mobile PCs throughout the company.

You and your associates can command and engage the power of the Internet, anywhere and at any time. Access real-time business news, process customer service questions, confer with colleagues and place client orders immediately. Conduct transactions around the globe at the business-class speed of 650 MHz.

The performance of an Intel mobile Pentium III processor-equipped mobile PC featuring Intel SpeedStep technology enables you to access both the Internet and your company's intranet seamlessly. While traveling, you can transfer data and text files (including e-mail), analyze spreadsheets and manage inventory online, just as you would on a desktop system. You can deliver powerful multimedia presentations and demonstrations on a mobile PC in your client's office, with fast 3-D imaging, fast streaming video and a high-bandwidth Internet connection. You can do it all in mobile mode, and longer than you ever thought possible.



What is SIMD and what does it do for you?

The mobile Pentium® III processor uses 70 Internet Streaming Single Instruction Multiple Data (SIMD) instructions to heighten performance for streaming multimedia and graphics applications on and off the Internet.

With Internet Streaming SIMD, you can:

- Draw graphics, including 3-D rendering, faster and smoother.
- Get an increased frame rate for smoother video, deeper color, enlarged image size and greater responsiveness.
- Download audio faster and obtain clearer sound quality.
- Download video faster and enjoy deeper color, better resolution, and more realistic scenes and lighting.
- Boost the data transfer rate from music CDs to your hard disk and generate faster downloads of MP3 files.
- Produce higher quality Web pages that have faster refresh rates.
- Communicate in a more natural way by using speech recognition applications. Your mobile PC recognizes spoken language and data faster, giving you quicker response times and greater accuracy.

A richer, truly mobile Internet experience

Your Internet lifestyle is now untethered. With a wireless or phone line connection, you can search the Web in a coffeehouse, review real-time stock quotes on your lunch hour, or make movie and dinner reservations while you commute. The mobile Pentium III processor featuring Intel SpeedStep technology lets you use your mobile PC to log on and chat with friends, view live sporting events, or take part in distance learning or a personal support forum. Imagine a richer Internet life on a powerful mobile PC, with computing performance and a battery life that—finally—can keep up with you.

With Intel's Pentium III processor 650 and 600 MHz, you experience the upper limits of your software's capacity for speed, rich color graphics and the highest levels of digital sound. Enjoy computer gaming? The mobile Pentium III processor's performance leap to 650 MHz results in richer, more realistic game images and faster game speeds. Do you write your school papers ahead of time or at the last minute? Use your mobile PC to take notes in the classroom and research your reports on the Web. Take advantage of long battery life to fine-tune your report on the bus.

Intel® WebOutfitterSM Service

The Intel® WebOutfitterSM Service is a free service exclusively for owners of Pentium® III processor-based PCs. Visit <http://intelweboutfitter.com>.

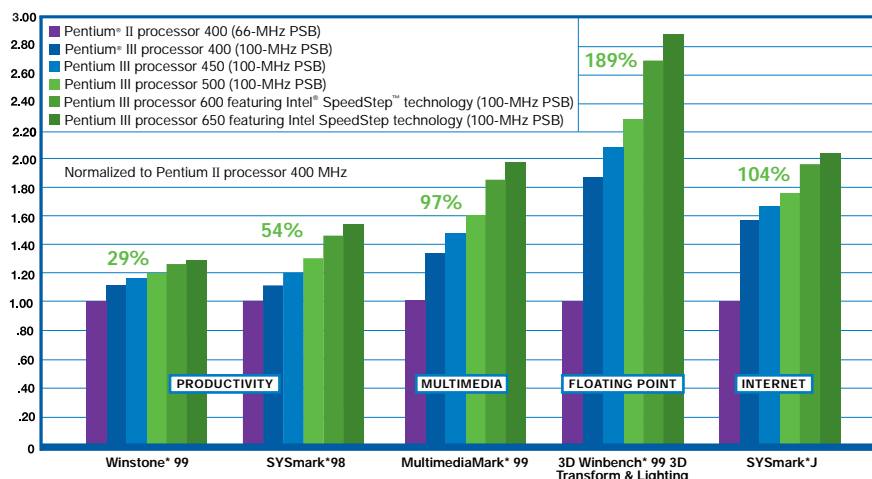
Dedicated to providing a rich Internet experience, this service offers:

- **Free PC tools:** Download free plug-ins for the latest streaming video, animation and music software. All in one place, saving you time and hassle.
- **"Tech Treks" illustrated tutorials:** Learn how to navigate in cyberspace, do 3-D searching, explore the nonstop world of live online music, and capture and create photos on your PC. Glimpse next-generation technology while experiencing today's Internet adventures.
- **"Site Seeing":** Link to exciting entertainment, shopping, sports, news and educational sites optimized for the Pentium III processor.



Mobile Pentium® III processor performance**

(including low-voltage 400-MHz processor)



** Differences in hardware and software configurations will affect actual performance. For further information, refer to *Performance Brief—Intel® Mobile Pentium® III Processor 650/600/500/450/400 MHz*, January 2000. Source: Intel. These performance numbers were obtained by testing and comparing a commercially available Pentium® II processor-based mobile PC with a commercially available mobile Pentium III processor-based mobile PC.

OEM A, System 1 with Pentium II processor 400 MHz with 256K of on-die L2 cache, 64MB SDRAM, DVD-ROM, 440BX chipset with processor system bus running at 66 MHz, Trident® 9385DVD graphics controller, 8.1-GB hard disk drive, DirectX® 7.00G and Windows® 98. OEM A, System 2 with Pentium III processors at 650, 600, 500, 450 and 400 MHz with 256K of on-die L2 cache, 64MB SDRAM, DVD-ROM, 440BX chipset with processor system bus running at 100 MHz, NeoMagic® 256ZX graphics controller, IBM 10-GB hard disk drive, DirectX 7.00G and Windows 98.



Learn, play, shop and communicate on the Web. Anytime, anywhere. Comparison shop faster with online retailers. Try on clothes in a virtual boutique, order groceries, buy a new car, check a puppy's pedigree or custom-design a new kitchen sink. Take photographs with a digital camera and post them immediately on a family Web site. Download MP3 digital audio files at high speed and create your own virtual jukebox. Imagine—and create!

Well connected and working better than ever

Everything you've ever wanted in a powerful, lightweight portable is within your reach. Multitasking on a slim, lightweight laptop provides an efficient mobile office and the best balance of power and portability.

Affordable mobile PCs come in a variety of sizes and configurations to suit business, student or personal applications. You compute confidently on a mobile PC that runs on one of the most reliable high-performance processors in the world: the Intel mobile Pentium III processor 650 and 600 MHz featuring Intel SpeedStep technology.

Going mobile is easier than ever with Intel SpeedStep technology

Expand and extend your business and Internet communications with rich graphics, 3-D images, full video and digital sound. In the city and in the country, in the classroom, the cubicle, the car and the carpool—imagine how far you can go once you experience and enjoy the power and performance of a mobile Pentium III processor-based system at 650 or 600 MHz featuring Intel SpeedStep technology.

To learn more about the Intel® mobile Pentium® III processor featuring Intel® SpeedStep™ technology, visit our Web site at www.intel.com/mobile

* Source: Intel. These performance numbers were obtained by testing and comparing a commercially available Pentium® II processor-based mobile PC with a commercially available mobile Pentium® III processor-based mobile PC. The system configurations are the following:

OEM A, System 1 with Pentium II processor 400 MHz with 256K of on-die L2 cache, 64MB SDRAM, DVD-ROM, 440BX chipset with processor system bus running at 66 MHz, Trident® 9385DVD graphics controller, 8.1-GB hard disk drive, DirectX® 7.00G and Windows® 98. OEM A, System 2 with Pentium III processors at 650, 600, 500, 450 and 400 MHz with 256K of on-die L2 cache, 64MB SDRAM, DVD-ROM, 440BX chipset with processor system bus running at 100 MHz, NeoMagic® 256ZX graphics controller, IBM 10-GB hard disk drive, DirectX 7.00G and Windows 98.

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